

## Daily Report For 2016-05-20

### Metal Bank

Sheetpile Repair  
Cottman Avenue  
Philadelphia, PA (US)  
Report number: 3340011G-11  
Date: May 20, 2016 08:12 AM

### Status

05/20/2016 (Friday) - Day 8 of R6 stone installation in Zone 2; Day 3 of R6 stone installation in Zone 1; Day 9 of overall R6 stone installation. CEI conducted turbidity monitoring once over the course of the day, as low tide was at approximately 9:00am. The crane was used to perform R6 stone placement in Zone 2, in the areas between Targets D and E. The long-reach excavator was used to perform R6 stone placement in Zone 1 between Targets G and H. The morning production rate for the crane was currently approximately 3 times slower than that of the excavator; however, CEI replaced the clamshell bucket with a grapple attachment this afternoon. The updated production rate will be determined once the operator has become accustomed to the new equipment.

### Details of Construction Activities

0630 to 0700 - Ramboll Environ (June Yeung, Eric Emery), CEI, and CDM Smith (Exemption 4 - CBI) on-site. Subcontractors for crane operation (Thackray) also on-site.

0700 - CEI performed health and safety meeting.

0720 to 1500 - CEI performed stone placement in Zone 2 with the crane, in the area between Target E and Target D. CEI spotter assisted crane operator during stone placement throughout the day.

- CEI simultaneously placed stone in Zone 1 with the long-reach excavator. The reach of the long reach excavator was insufficient to be able to place the stone from the heights specified in the contract documents. Alternately, stone placement was performed at a height of approximately 5.5 feet below the top of the sheetpile wall. Four 2x4s were placed in the approximate location of the expected toe of final material placement in Zone 1 and the western portion of Zone 2 to provide a visual of the extent of material placement.

- Stone placement by the crane this morning was approximately 3 times slower than stone placement by the long reach excavator; however, CEI replaced the existing clamshell bucket on the crane with a grapple attachment to increase production rate. The resulting production rate has yet to be determined, as the operator is still adjusting to the new equipment.

1030 June Yeung of Ramboll Environ off-site.

1045 to 1250 - Stone placement by the crane was paused in order to swap out the clamshell bucket with the grapple attachment.

1230 to 1430 - CEI mobilized boat to the City boat launch area, began turbidity monitoring, and adjusted turbidity boom in Zone 2. Turbidity readings did not exceed the performance criteria.

1345 to 1415 Material placement via excavator paused to reshape material stockpiles at excavator and crane placement areas.

1500 - (Exemption 4 - CBI) of CDM Smith off-site.

1530 - CEI off-site.

1600 - Eric Emery of Ramboll Environ off-site.

### The Week Ahead

#### Monday 5/21

R6 stone placement

#### Tuesday 5/22

R6 stone placement

**Wednesday 5/23**

R6 stone placement

**Thursday 5/24**

R6 stone placement

**Friday 5/25**

R6 stone placement

The following activities will also take place next week, although the exact dates are currently unknown:

- Waler delivery
- Dock builders on-site to install wooden float stages for waler repair and to perform other preparation work
- Surveyor on-site for two days

**Contacts and people present**

Role and company name	Name	Contact information	Present	Sent
Oversight [Ramboll]	Eric Emery	609-961-1363 eemery@ramboll.com	✓	✓
Oversight [Ramboll]	Joe Vitale	jvitale@ramboll.com	✗	✓
Oversight [Ramboll]	June Yeung	609-977-5899 jyeung@ramboll.com	✓	✓
CEI Project Superintendent [Creamer Environmental, Inc.]	John Castellani	201-522-5089 jcastellani@creamerenvironmental.com	✓	✓
CEI Project Manager [Creamer Environmental, Inc.]	Gary Kowalski	201-376-7153 gkowalski@creamerenvironmental.com	✓	✓
Laborer [Creamer Environmental, Inc.]	Laborer 1		✓	
Laborer [Creamer Environmental, Inc.]	Laborer 2		✓	
Laborer [Creamer Environmental, Inc.]	Laborer 3		✓	
Laborer [Creamer Environmental, Inc.]	Laborer 4		✗	
Ramboll Project Manager [Ramboll]	Nicholas Steenhaut	617-946-6109 nsteenhaut@ramboll.com	✗	✓
EPA Oversight [CDM Smith]	Exemption 4 - CBI	Exemption 4 - CBI Exemption 4 - CBI	✗	✓

EPA Oversight [USACE]	David Depolo	David.S.Depolo@usace.army.mil	✗	
EPA Oversight [CDM Smith]	Exemption 4 - CBI	Exemption 4 - CBI Exemption 4 - CBI	✓	✓
EPA Oversight [USACE]	Travis Fatzinger	Travis.T.Fatzinger@usace.army.mil	✗	
EPA Oversight [USEPA]	William Geiger	Geiger.William@epa.gov	✗	✓
Design Engineer [RAC]	Joe Caciola	joe@racllc.com	✗	✓
Design Engineer [RAC]	Walter Papp	walter@racllc.com	✗	✓
Operator [Creamer Environmental, Inc.]	Operator 1		✓	
Operator [Thackray Crane Rental, Inc.]	Operator 2		✓	
Oiler 1 [Thackray Crane Rental, Inc.]	Oiler 1		✓	

## Visitors

Crane grapple attachment deliverymen (Thackray)  
Hauling trucks for R6 stone

## Equipment On-Site

CASE CX250C Long Reach Excavator  
CASE 821F Loader  
CAROLINA SKIFF 19DLX Boat  
American 9310 Lattice Boom Crane (equipped with grapppler; clamshell bucket removed but still on-site)

## Material Tracking

Nine (9) loads of R6 stone, totaling 197.43 tons, were imported. Approximately 200 tons were placed today, with 60 tons in Zone 2 and 140 tons in Zone 1.

A total of 1888.52 tons of R6 stone has been delivered to date. Approximately 1140 tons have been placed to date.

## Observations

Remark	Description	Assignee(s):
--------	-------------	--------------

## Rip-Rap

✓ **R6 stone placement**  
**[3.1]**  
May 20, 2016

(see pics below)



R6 stone placement in Zone 1, between Targets G and H (facing SE)



R6 stone placement in Zone 1 (facing N)



R6 stone placement in Zone 2 (facing N)

✗ **R6 stone stockpile**  
**extends beyond**  
**crushed stone pad**  
**[7.1]**  
May 18, 2016

CEI continued to address some of this concern today.

John Castellani



Stockpiled R6 stone on crushed stone pad in Zone 2 (facing South).

✓ **Creation of holes near the top of the sheetpile wall for the installation of float stages [10.1]**  
May 19, 2016

CEI proposed to burn six holes, each approximately the size of a quarter, near the top of the sheetpile wall to install wooden float stages for the dock workers to stand on during waler repair. These float stages would replace the originally proposed sand bags and wooden platform described in the contract documents.

Walter Papp of RAC indicated that this modification is acceptable as long as surface water or soil is not expelled from the holes created and that the holes will be repaired after the work is complete. Will Geiger of the EPA indicated that this modification is acceptable as well.

#### General / Other

✗ **Diesel oil spilled onto asphalt pavement in staging area [4.1]**  
May 11, 2016

Affected area cleaned up based on visual observations. Cleanup materials awaiting disposal. Waste Management has been identified as the company that will pick up and dispose of the materials.

John Castellani

## Testing and Monitoring

CEI provided today's turbidity monitoring data. These data indicate that there were no exceedances of the performance criteria.

## Documents

Description	Status	Date	Responsible
Baseline Bathymetric Survey	Received	05/09/2016	John Castellani
Baseline Wall Survey	Received	05/09/2016	John Castellani
Turbidity Monitoring 05/10/2016	Received	05/10/2016	John Castellani
Stone Delivery Tickets 05/09/2016	Received	05/09/2016	John Castellani
Turbidity Monitoring 05/11/2016	Received	05/11/2016	John Castellani
Stone Delivery Tickets 05/11/2016	Received	05/11/2016	John Castellani
Stone Delivery Tickets 05/10/2016 (Revised)	Received	05/10/2016	John Castellani
Stone Delivery Tickets 05/12/2016	Received	05/12/2016	John Castellani

Turbidity Monitoring 05/12/2016	Received	05/12/2016	John Castellani
Turbidity Monitoring 05/13/2016	Received	05/13/2016	John Castellani
Turbidity Monitoring 05/16/2016	Received	05/16/2016	John Castellani
Stone Delivery Tickets 05/16/2016	Received	05/16/2016	John Castellani
Stone Delivery Tickets 05/13/2016	Received	05/13/2016	John Castellani
Wall and Rip Rap Survey 5/16/16	Received	05/16/2016	John Castellani
Turbidity Monitoring 05/17/2016	Received	05/17/2016	John Castellani
Turbidity Monitoring 05/18/2016	Received	05/18/2016	John Castellani
Stone Delivery Tickets 05/19/2016	Received	05/19/2016	John Castellani
Turbidity Monitoring 05/19/2016	Received	05/19/2016	John Castellani
Turbidity Monitoring 5/20/2016	Received	05/20/2016	John Castellani
Stone Delivery Tickets 5/20/2016	Received	05/20/2016	John Castellani
Sheetpile and Rip Rap Survey 5/19/2016	Not yet received	05/19/2016	John Castellani

## General conditions

Disclaimer: Information contained in this Field Observation Report has been prepared to the best of our knowledge according to observable conditions at the site.